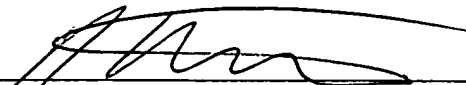


TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT Under 37 CFR 1.97(b), (c), or (d)			Docket No. ATT 2003-0076
In re Application of: Korn, et al.			
Serial No.	Filing Date HEREWITH	Examiner UNKNOWN	Group Art Unit
Title: METHOD AND APPARATUS FOR IDENTIFYING HIERARCHICAL HEAVY HITTERS IN A DATA STREAM			
Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313			
37 CFR 1.97(b)			
1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.			
37 CFR 1.97(c)			
2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), but prior to the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by the statement or fee as indicated below.			
37 CFR 1.97(d)			
3. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(c), but on or before payment of the issue fee and is accompanied by the statement and fee as indicated below.			
Required Statements and/or Fees Under 37 CFR 1.97(c) or (d)			
<input type="checkbox"/> Each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement. (37 CFR 1.97(e)(1))			
<input type="checkbox"/> No item of information in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned person, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement. (37 CFR 1.97(e)(2))			
<input type="checkbox"/> The fee set forth in 37 CFR 1.17(p). Please credit any overpayment or charge any insufficiencies to deposit account number 20-0782.			
37 CFR §1.704(d)			
4. <input type="checkbox"/> Each item of information in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 CFR §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.			
 Robert M. Brush Reg. No. 45,710 Moser, Patterson & Sheridan, LLP Attorneys at Law 595 Shrewsbury Avenue, Suite 100 Shrewsbury, New Jersey 07702 732-530-9404		Dated: <u>3-17-04</u>	



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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	Unknown
		Filing Date	HEREWITH
		First Named Inventor	Korn, et al.
		Group Art Unit	
		Examiner Name	
		Attorney Docket Number	ATT 2003-0076
Sheet 1	of 1	Submission Date	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Cormode, et al., "An improved data stream summary: the count-min sketch and its applications," http://dx.doi.org/doi:10.1016/j.jalgor.2003.12.001 , date Unknown, printed 02/03/04	
		Gilbert, et al., "How to Summarize the Universe: Dynamic Maintenance of Quantiles," Proc. 28 th VLDB Conf, Hong Kong, China 2002	
		Greenwald, "Space-Efficient Online Computation of Quantile Summaries," Proceedings of the 2001 ACM SIGMOD International Conference on Management of Data, Santa Barbara, California, Pg: 58 - 66, 2001	
		Manku, et al., "Approximate Frequency Counts over Data Streams," Proc. 28 th VLDB Conference, Hong Kong, CHina, 2002	

Examiner	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.